

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of  
Jean-Manuel Decams et al.

Application No.: 10/550,459

Filing Date: September 26, 2005

Title: METHOD FOR CVD DEPOSITION OF A SILVER FILM ON A SUBSTRATE

Group Art Unit:

Examiner:

Confirmation No.:

FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a **FIRST** Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

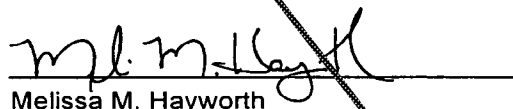
The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

P.O. Box 1404  
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By



Melissa M. Hayworth

Registration No. 45,774

Date: February 6, 2006

03450-03 12:00

**Buchanan Ingersoll PC**

ATTORNEYS

Including attorneys from Burns Doane Swecker & Mathis

(8/05)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

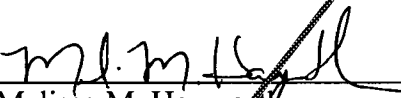
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date February 6, 2006

By:

  
Melissa M. Hayworth  
Registration No. 45,774

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Alexandria, Virginia 22313-1404  
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Substitute for form 1449A/PTO & 1449B/PTO			<b>Complete if Known</b>		
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/550,459	
			Filing Date	September 26, 2005	
			First Named Inventor	Jean-Manuel Decams et al.	
			Examiner Name	M. Miller	
Sheet	1	of	1	Attorney Docket Number	1032013-000130

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS											
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	International Search Report mailed September 3, 2004
	Kuzmina et al., "Silver Pivalate as a New Volatile Precursor for Thin Film Deposition", Journal De Physique IV, Vol. 9, (1999), pp. 923-928.
	Edwards et al., "Aerosol-assisted Chemical Vapour Deposition (AACVD) of Silver Films from Triorganophosphine Adducts of Silver Carboxylates, Including the Structure of [Ag(O <sub>2</sub> CC <sub>3</sub> F <sub>7</sub> )(PPh <sub>3</sub> ) <sub>2</sub> ], Inorganica Chimica Acta, Vol. 328, (2002) pp. 134-146.
	Szlyk et al., "CVD of Ag <sup>I</sup> Complexes with Tertiary Phosphines and Perfluorinated Carboxylates – A New Class of Silver Precursors", Chemical Vapor Deposition, Vol. 7, No. 3, (2001), pp. 111-116.
	Paramonov et al., "MOCVD of Ag Thin Films", Journal De Physique IV: Proceedings, Vol. 11, No. Pr3, (2001) pp. 645-652.
	Szlyk et al., "Au <sup>I</sup> and Ag <sup>I</sup> Complexes with Tertiary Phosphines and Perfluorinated Carboxylates as Precursors for CVD of Gold and Silver", Chemical Vapor Deposition, Vol. 6, No. 3, (2000), pp. 105-108.

Examiner Signature	/Michael Miller/	Date Considered	03/27/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.